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(71) Applicant (for all designated States except US): **LIFE-FORCE GROUP PLC** [GB/GB]; Unit 35, Imperial House, Imperial Science Park, Newport, Gwent NP10 8UH (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SPIERS, William, Arthur** [GB/GB]; Paradise Barn, 30, The Rank, North Bradley, Wiltshire BA14 9RP (GB).

(74) Agent: **PRICE, Vincent, Andrew**; Price & Co., 6 Manor Court, St Georges, Mill Lane, North Chailey, East Sussex BN8 4EG (GB).

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(54) Title: CELL BANK FOR CONTINGENT AUTOLOGOUS LEUKOCYTE TRANSPLANTATION

(57) Abstract: A process for producing a leukocyte bank suitable for CAT therapy comprising the steps of providing a blood sample from a healthy donor individual; selectively separating leukocytes from the sample; collecting the separated leukocytes in a holding vessel; transferring two or more aliquots of the separated leukocytes to independent double containment storage vessels, wherein each of the storage vessels contains, or is in fluid communication with, a cryopreservation medium; mixing each aliquot with the cryopreservation medium within each storage vessel, cryogenically preserving each of the two or more aliquots within each of the storage vessels; retrievably depositing each of the two or more storage vessels containing the aliquots of preserved leukocytes into two or more independent storage systems to produce a leukocyte bank which exhibits deposit redundancy, wherein steps are conducted within a closed or functionally closed system and are applied iteratively to a series of blood samples from different healthy donor individuals. The process further comprises digitally storing information obtained from each donor individual in a digital information unit so as to permit matching of leukocyte deposit and donor for later autologous transplantation.